



QUARTERLY LETTER OF INFORMATION OF THE FEDERAL HORTICULTURAL BOARD
UNITED STATES DEPARTMENT OF AGRICULTURE.

No. 29.

OCTOBER, 1918.

GENERAL NOTES.

Three new quarantines have been promulgated since the issuance of Quarterly Letter of Information No. 28, July, 1918, namely, Bamboo, No. 34, foreign; Japanese Beetle, No. 35, domestic, with regulations, and the European Corn Borer, No. 36, domestic. A summary of these quarantines will be found in the latter part of this letter of information.

It will be of interest to note that several well-established cases of potato wart disease have been discovered in gardens or back yards of some 26 small mining towns and villages of the anthracite coal region of Pennsylvania. A preliminary survey has established the fact that the infested area extends approximately 35 to 38 miles east and west and from 18 to 20 miles north and south, including the lower edge of Luzerne County and a portion of Schuylkill and Carbon Counties. The infested area is a more or less isolated one and comprises a mining section of numerous small towns. In the infested region the potato is grown only for home consumption and, therefore, there is little likelihood of commercial or other shipments of potatoes out of the infested area. Radical steps are being taken by the authorities of the State of Pennsylvania, in cooperation with this Board, to clean up and safeguard this district.

From the information at hand, it is very evident that the source of the disease appears to be a shipment of several carloads of European potatoes of inferior quality which were distributed in Pennsylvania from January to June, 1912, just prior to the passage of the Plant Quarantine Act of August 20 of that year. This act provided for immediate quarantine against countries infested with potato wart, and subsequent to the passage of this act, no potatoes have been imported from countries where the potato wart is known to exist. In view of this discovery, inspectors throughout the United States should be on the lookout for similar outbreaks of potato wart, which may have resulted from the known rather widespread distribution of that year of imported potatoes.

C. L. MARLATT, *Chairman of Board.*

LIST, BY COUNTRIES, OF PESTS COLLECTED AND REPORTED FROM JULY 1, 1918, TO SEPTEMBER 30, 1918, INCLUSIVE.

[The number in parentheses following name of host indicates the number of times reported if collected more than once.]

Country of origin and name of pest.	Host.
AFRICA.	
Insects:	
Aspidiotus sp. (scale) insect.....	Brabejum stellatifolium.
Chionaspis sp. (scale insect).....	Do.
Disease:	
Helminthosporium sp.....	Barosma serratifolia.
ARGENTINA.	
Insects:	
Bruchus obtectus (bean weevil).....	Phaseolus vulgaris (3), Vigna sinensis.
Bruchus pisorum (pea weevil).....	Beans.
Pyralid.....	Corn.
Sitodrepa panicea (drug-store beetle).....	Bean.
Diseases:	
Alternaria sp.....	Phaseolus sp.
Fusarium sp.....	Do.
Trichothecium sp.....	Do.
AUSTRALIA.	
Insects:	
Aspidiotus camelliae (greedy scale).....	Citrus.
Chrysomphalus aurantii (California red scale).....	Do.
Disease:	
Alternaria sp.....	Holcus sorghum.
BRAZIL.	
Insects:	
Araecerus fasciculatus (coffee-bean weevil).....	Bean, coffee-beans.
Bruchus obtectus (bean weevil).....	Beans (9).
Bruchus pectoralis (weevil).....	Beans (4).
Bruchus quadrimaculatus (four spotted bean weevil).....	Beans.
Bruchus sp. (weevil).....	Do.
Caryoborus sp. (Bruchidae).....	Caranula, ?.
Eutermes sp. (white ant).....	Dondia.
Laemophloeus pusillus (Cucujidae).....	Palm nuts.
Lamyctinus caeculus (Chilapod).....	In soil.
Lyctus sp. (powder-post beetle).....	Wood.
Orthomorpha coarctata (milliped).....	In soil.
Diseases:	
Alternaria sp.....	Phaseolus sp.
Chaetomium sp.....	Do.
Dothiorella sp.....	Manihot utilissima.
Fusarium sp.....	Phaseolus sp.
BRITISH GUIANA.	
Insect:	
Blapstinus sp. (Tenebrionidae).....	Seed.
CANADA.	
Diseases:	
Alternaria sp.....	Phaseolus sp.
Fusarium sp.....	Phaseolus sp., Triticum aestivum.
CANAL ZONE.	
Diseases:	
Mycoida parastica.....	Mangifera indica.
Mycosphaerella rosigena.....	Rosa sp.
Phyllosticta sp.....	Hymenaea courvarii, Mangifera indica.

List, by countries, of pests collected and reported from July 1, 1918, to Sept. 30, 1918, inclusive—Continued.

[The number in parentheses following name of host indicates the number of times reported if collected more than once.]

Country of origin and name of pest.	Host.
CHINA.	
Insects:	
Bruchus pisorum (pea weevil)	Pisum sativum.
Calandra oryza (rice weevil)	Coix.
Chrysomphalus aurantii (California red scale)	Citrus.
Diaspis pentagona (scale insect)	?
Hemichionaspis sp. (scale insect)	Citrus.
Lepidosaphes sp. (scale insect)	Pyrus calleryana.
Oides decempunctata (Gallerucinae)	Grapevines.
Parlatoria sp. (scale insect)	Pyrus calleryana.
Pheidole sp. (ant)	Pear seed.
Rhizopertha pusilla (Bostrychidae)	Coix.
Tenebrioides mauritanica (Cadelle)	Do.
Tribolium ferrugineum (rust-red flour beetle)	Do.
Diseases:	
Alternaria sp.	Phaseolus sp., Pistachia sp.
Colletotrichum sp.	Pistachia sp. (2).
Fusarium sp.	Fagopyrum sp., Soja max.
COLOMBIA.	
Insect:	
Tenthecoris bicolor (Capsidae)	Cattleya sp.
COSTA RICA.	
Disease:	
Phoma sp.	Cucurbita pepo.
ECUADOR.	
Insects:	
Bruchus obtectus (bean weevil)	Beans (2).
Bruchus pectoralis (weevil)	Peas, beans.
Calandra granaria (granary weevil)	Beans (in package with).
Calandra oryza (rice weevil)	Beans (2) (in package with).
Diseases:	
Chaetomium sp.	Phaseolus sp.
Colletotrichum sp.	Do.
Fusarium sp.	Theobroma cacao.
Lasiodiplodia cacaoicola	Do.
Tubercularia sp.	Do.
ENGLAND.	
Insects:	
Diaspis boisduvalii (scale insect)	Cattleya, Cymbidium.
Eucalymnatus tessellatus (tesselated scale)	Cymbidium.
Lepidosaphes beckii (purple scale)	Do.
FRANCE.	
Insects:	
Aporia crataegi (white tree Pierid), (nests)	Apple (134), plum (57)? (3).
Euproctis chrysorrhoea (brown-tail moth) (larvæ and nests)	Apple, Crataegus, tree rose.
Malacosoma neustria (European lackey moth) (egg mass)	Mahaleb stock.
Megastigmus sp. (Torymidae)	Abies cephalonica.
Notolophus antiqua (European tussock moth) (nest)	Apple.
Porthetria dispar (gipsy moth) (egg mass)	Quince seedling.
Disease:	
Bacterium tumefaciens (hairly root)	Apple.
GUATEMALA.	
Insects:	
Aspidiotus lataniae (scale insect)	Dahlia imperialis.
Balaninus sp. (Curculionidae) (larvæ)	Quercus reevesii.
Solenopsis geminata (ant)	Orchid.
Tetramorium guineense (ant)	Avocado seeds.

List, by countries, of pests collected and reported from July 1, 1918, to Sept. 30, 1918, inclusive—Continued.

[The number in parentheses following name of host indicates the number of times reported if collected more than once.]

Country of origin and name of pest.	Host.
HAWAII.	
Insects:	
Aspidiotus lataniae (scale insect).....	Edible canna tubers.
Pseudococcus citri (common mealybug).....	Do.
Xyleborus sp. (Scolytidae).....	Dioscorea sp.
Diseases:	
Alternaria sp.	Oryza sativa.
Sporotrichum sp.	Do.
HOLLAND.	
Insects:	
Agrotis orbona (Noctuidae).....	In soil about rose roots.
Chionaspis sp. (scale insect).....	Lilac.
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood, Malus.
Leptobyrza rhododendri (Tingitidae).....	Rhododendron.
Malacosoma neustria (European lackey moth) (egg mass).....	Norway maple.
Psylla buxi (box psylla).....	Boxwood.
INDIA.	
Insect:	
Cerambycid beetle.....	Milletia auriculata roots.
Disease:	
Sorosporium everhartii.....	Andropogon schoenanthus.
JAPAN.	
Insect:	
Prenolepis flavipes (ant).....	Wisteria.
Diseases:	
Alternaria sp.	Cryptotaenia japonica, Phaseolus sp.
Fusarium sp.	Cryptotaenia japonica.
JAVA.	
Insect:	
Araecerus fasciculatus (coffee-bean weevil).....	Garcinia mangostana.
Theridium tepidariorum (spider).....	Cacao theobroma.
MEXICO.	
Insects:	
Calandra oryza (rice weevil).....	Corn seed.
Cathartus advena (foreign grain beetle).....	Avocado seeds, mango seeds.
Catorama sp. (Anobiidae).....	Crataegus meriana (?) Tejoite.
Prostephanus truncatus (Bostrychidae).....	Corn.
Rhizopertha pusilla (Bostrychidae).....	Purple rice.
Tenebrioides mauritanica (Trogositidae).....	Corn.
Diseases:	
Fusarium discolor var. sulphureum.....	Zea mays.
NEW ZEALAND.	
Insect:	
Aspidiotus camelliae (greedy scale).....	Meryta sinclairii.
Diseases:	
Alternaria sp.	Cordyline australis.
Libertiella sp.	Vitex littorale.
Trichothecium roseum.....	Cordyline australis.
NICARAGUA.	
Insect:	
Catorama herbarium (Anobiidae).....	Moringa.
PARAGUAY.	
Disease:	
Sordaria sp.	Cucurbita sp.

List, by countries, of pests collected and reported from July 1, 1918, to Sept. 30, 1918, inclusive—Continued.

[The number in parentheses following name of host indicates the number of times reported if collected more than once.]

Country of origin and name of pest.	Host.
PHILIPPINE ISLANDS.	
Insects:	
Araecerus sp. (Anthribidae).....	Erythrina indica.
Aspidiotus lataniae (scale insect).....	Normanbya merrillii.
Bruchus obtectus (bean weevil).....	Erythrina indica.
Chrysomphalus aurantii (California red scale).....	Citrus.
Curculionid.....	Litchi Philippinensis.
Ephestia sp. (Pyralidae).....	Citrus.
Lasioderma serricorne (cigarette beetle).....	Murraya caloxylon seed.
PORTO RICO.	
Disease:	
Gloeosporium sp.....	Solanum sp.
SPAIN.	
Disease:	
Chaetomium sp.....	Pyrus sp.
TRINIDAD, BRITISH WEST INDIES.	
Insects:	
Chrysomphalus aonidum (Florida red scale).....	Cocos weddelliana.
Ischnaspis longirostris (thread scale).....	Do.
VENEZUELA.	
Insects:	
Bruchus obtectus (bean weevil).....	Beans.
Bruchus pectoralis (weevil).....	Do.
Bruchus quadrimaculatus (weevil).....	Do.
Calandra oryza (rice weevil).....	Do.
Chrysomphalus biformis (scale insect).....	Orchid.
Diseases:	
Alternaria sp.....	Phaseolus sp.
Colletotrichum sp.....	Do.
Fusarium sp.....	Do.
Sclerotia sp.....	Do.
Sporotrichum sp.....	Do.

LIST, BY STATES, OF PESTS COLLECTED AND REPORTED FROM JULY 1, 1918, TO SEPT. 30, 1918, INCLUSIVE.

[The number in parentheses following name of country indicates the number of times reported if collected more than once.]

State in which collected and name of pest.	Host.	Country of origin.	Collector.
CALIFORNIA.			
Insects:			
Chrysomphalus biformis (scale insect).	Orchid.....	Venezuela.....	D. P. McDonald.
Prenolepis flavipes (ant).....	Wistaria.....	Japan.....	?
DISTRICT OF COLUMBIA.			
Insects:			
Araecerus fasciculatus (coffee-bean weevil).	Bean.....	Brazil.....	E. H. Dusham.
Do.....	Garcinia mangostana.....	Java.....	Do.
Araecerus sp. (Anthribidae).....	Erythrina indica.....	Philippine Islands..	H. L. Sanford.
Aspidiotus camelliae (greedy scale).....	Citrus.....	Australia.....	C. A. Weigel.
Do.....	Meryta sinclairii.....	New Zealand.....	E. H. Dusham.
Aspidiotus lataniae (scale insect).....	Dahlia imperialis.....	Guatemala.....	E. R. Sasscer.
Do.....	Edible canna tubers.....	Hawaii.....	E. H. Dusham.
Do.....	Mormanbya merrillii.....	Philippine Islands..	H. L. Sanford.
Aspidiotus sp. (scale insect).....	Brabejum stellatifolium.....	Africa.....	Do.
Balaninus sp. (acorn weevil) (larva).....	Quercus reevesii.....	Guatemala.....	N. Perrine.
Blapstinus sp. (Tenebrionidae).....	Seed.....	British Guiana.....	Do.
Bruchus obtectus. (bean weevil).....	Beans.....	Brazil (9).....	Do.
Do.....	do.....	Ecuador.....	Do.
Do.....	do.....	Venezuela.....	C. A. Weigel.
Do.....	Erythrina indica.....	Philippine Islands..	H. L. Sanford.
Do.....	Phaseolus vulgaris.....	Argentina (3).....	Do.
Do.....	Vigna sinensis.....	Argentina.....	Do.
Bruchus pectoralis (weevil).....	Beans.....	Brazil (4).....	Do.
Do.....	do.....	Ecuador.....	N. Perrine.
Do.....	do.....	Venezuela.....	C. A. Weigel.
Do.....	Peas.....	Ecuador.....	N. Perrine.
Bruchus pisorum. (pea weevil).....	Beans.....	Argentina.....	H. L. Sanford.
Do.....	Pisum sativum.....	China.....	Do.
Bruchus quadrimaculatus (four-spotted bean weevil).....	Beans.....	Brazil.....	N. Perrine.
Do.....	do.....	Venezuela.....	C. A. Weigel.
Bruchus sp. (weevil).....	do.....	Brazil.....	H. L. Sanford.
Calandra granaria (granary weevil).....	Beans (in package with).....	Ecuador.....	N. Perrine.
Calandra oryza (rice weevil).....	do.....	Ecuador (2).....	Do.
Do.....	do.....	Venezuela.....	C. A. Weigel.
Do.....	Coix.....	China.....	H. L. Sanford.
Do.....	Corn.....	Mexico.....	E. H. Dusham.
Caryoborus sp. (Bruchidae).....	Caranula.....	Brazil.....	H. L. Sanford.
Do.....	?.....	do.....	Do.
Catorama herbarium (Anobiidae).....	Moringa.....	Nicaragua.....	Do.
Catorama sp.....	Crataegus meriana (?) Tejoite.	Mexico.....	Do.
Cerambycid.....	Milletia auriculata roots.....	India.....	E. H. Dusham.
Chionaspis sp. (scale insect).....	Brabejum stellatifolium.....	Africa.....	H. L. Sanford.
Chrysomphalus aurantii (California red scale).	Citrus.....	Australia.....	C. A. Weigel.
Do.....	do.....	China.....	E. H. Dusham.
Do.....	do.....	Philippine Islands..	H. L. Sanford.
Curculionid.....	Litchi philippinensis.....	do.....	N. Perrine.
Diapris pentagona (scale insect).....	?.....	China.....	H. L. Sanford.
Ephestia sp. (Pyralidae).....	Citrus.....	Philippine Islands..	Do.
Eutermes sp. (white ant).....	Dondia.....	Brazil.....	Do.
Hemichionaspis sp. (scale insect).....	Citrus.....	China.....	E. H. Dusham.
Laemophloeus pusillus (Cucujidae).....	Palm nuts.....	Brazil.....	Do.
Lamyctinus caeculus (Chilapod).....	In soil.....	do.....	C. A. Weigel.
Lasioderma serricorne (cigarette-beetle).	Murraya caloxylon seed.....	Philippine Islands..	E. H. Dusham.
Lepidosaphes sp. (scale insect).....	Pyrus calleryana.....	China.....	H. L. Sanford.
Lyctus sp. (powder-post beetle).....	Wood.....	Brazil.....	Do.
Oides decempunctata (Gallerucinae).....	Grapevines.....	China.....	?
Orthomorpha coarctata (milliped).....	In soil.....	Brazil.....	C. A. Weigel.

List, by States, of pests collected and reported from July 1, 1918, to Sept. 30, 1918, inclusive—Continued.

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State in which collected and name of pest.	Host.	Country of origin.	Collector.
DISTRICT OF COLUMBIA—continued.			
Insects—Continued.			
Parlatoria sp. (scale insect).....	Pyrus calleryana.....	China.....	H. L. Sanford.
Pheidole sp. (ant).....	Pear seed.....	do.....	Do.
Prostephanus truncatus.....	Corn.....	Mexico.....	E. H. Dusham.
Pseudococcus citri (common mealy bug).....	Edible canna tubers.....	Hawaii.....	Do.
Pyralid.....	Corn.....	Argentina.....	N. Perrine.
Rhizopertha pusilla (Bostrychidae).....	Coix.....	China.....	H. L. Sanford.
Do.....	Purple rice.....	Mexico.....	Do.
Sitodrepa panicea (drug-store beetle).....	Beans.....	Argentina.....	Do.
Solenopsis geminata (ant).....	Orchid.....	Guatemala.....	Do.
Spiroboloid (immature) (milliped).....	In soil.....	Brazil.....	C. A. Weigel.
Tenebrioides mauritanica (Cadelle).....	Coix.....	China.....	H. L. Sanford.
Do.....	Corn.....	Mexico.....	E. H. Dusham.
Tetramorium guineense (ant).....	Avocado seeds.....	Guatemala.....	Do.
Theridium tepidariorum (spider).....	Cacao theobroma.....	Java.....	H. F. Dietz.
Tribolium ferrugineum (rust-red flour beetle).....	Coix.....	China.....	H. L. Sanford.
Xyleborus sp. (Scolytidae).....	Dioscorea sp.....	Hawaii.....	Do.
Diseases:			
Alternaria sp.....	Cordylina australis.....	New Zealand.....	C. C. Thomas.
Do.....	Cryptotaenia japonica.....	Japan.....	Do.
Do.....	Phaseolus sp.....	Argentina.....	Do.
Do.....	do.....	Brazil.....	Do.
Do.....	do.....	Canada.....	J. T. Rogers.
Do.....	do.....	China.....	Do.
Do.....	do.....	Japan.....	Do.
Do.....	do.....	Venezuela.....	C. C. Thomas.
Do.....	Pistachia sp.....	China.....	Do.
Chaetomium sp.....	Phaseolus sp.....	Brazil.....	Do.
Do.....	do.....	Ecuador.....	Do.
Do.....	Pyrus sp.....	Spain.....	W. H. Weston.
Colletotrichum sp.....	Phaseolus sp.....	Ecuador.....	C. C. Thomas.
Do.....	do.....	Venezuela.....	Do.
Do.....	Pistachia sp.....	China.....	A. H. Gilbert.
Do.....	do.....	do.....	C. C. Thomas.
Dothiorella sp.....	Manihot utilissima.....	Brazil.....	A. H. Gilbert.
Fusarium sp.....	Cryptotaenia japonica.....	Japan.....	C. C. Thomas.
Do.....	Fagopyrum sp.....	China.....	Do.
Do.....	Phaseolus sp.....	Argentina.....	Do.
Do.....	do.....	Brazil.....	Do.
Do.....	do.....	Canada.....	J. T. Rogers.
Do.....	do.....	Venezuela.....	C. C. Thomas.
Do.....	Soja max.....	China.....	Do.
Fusarium discolor var. sulphureum.....	Theobroma cacao.....	Ecuador.....	J. T. Rogers.
Gloeosporium sp.....	Zea mays.....	Mexico.....	C. H. Kauffman.
Helminthosporium sp.....	Solanum sp.....	Porto Rico.....	C. C. Thomas.
Lasiodiplodia cacaoicola.....	Barosma serratifolia.....	Africa.....	Do.
Libertiella sp.....	Theobroma cacao.....	Ecuador.....	J. T. Rogers.
Mycoides parasitica.....	Vitex littorale.....	New Zealand.....	Do.
Mycosphaerella rosigena.....	Mangifera indica.....	Canal Zone.....	H. F. Dietz.
Phyllosticta sp.....	Rosa sp.....	do.....	Do.
Do.....	Hymenaea courvarii.....	do.....	Do.
Do.....	Mangifera indica.....	do.....	Do.
Phoma sp.....	Cucurbita pepo.....	Costa Rica.....	C. C. Thomas.
Sclerotia sp.....	Phaseolus sp.....	Venezuela.....	Do.
Sordaria sp.....	Cucurbita sp.....	Paraguay.....	C. H. Kauffman.
Sorosporium everhartii.....	Andropogon schoenanthus.....	India.....	J. T. Rogers.
Sporotrichum sp.....	Oryza sativa.....	Hawaii.....	C. C. Thomas.
Do.....	Phaseolus sp.....	Venezuela.....	Do.
Trichothecium roseum.....	Cordylina australis.....	New Zealand.....	Do.
Trichothecium sp.....	Phaseolus sp.....	Argentina.....	Do.
Tubercularia sp.....	Theobroma cacao.....	Ecuador.....	Do.

List, by States, of pests collected and reported from July 1, 1918, to Sept. 30, 1918, inclusive—Continued.

[The number in parentheses following name of host indicates the number of times reported if collected more than once.]

State in which collected and name of pest.	Host.	Country of origin.	Collector.
FLORIDA.			
Insect: <i>Araecerus fasciculatus</i> (coffee-bean weevil).	Coffee beans	Brazil	J. C. Holton.
IOWA.			
Insect: <i>Megastigmus</i> sp. (Torymidae).....	<i>Abies cephalonica</i>	France	H. Ness.
NEW JERSEY.			
Insects: <i>Leptobyrsa rhododendri</i> (Tingitidae). <i>Psylla buxi</i> (box psylla).....	<i>Rhododendron</i>	Holland	H. B. Weiss.
	Boxwood	do	Do.
NEW YORK CITY (FEDERAL INSPECTION).			
Insects: <i>Cathartus advena</i> (foreign grain beetle). Do..... <i>Chrysomphalus aonidum</i> (Florida red scale). <i>Ischnaspis longirostris</i> (thread scale). <i>Tenthecoris bicolor</i> (Capsidae).....	Avocado seeds	Mexico	H. B. Shaw.
	Mango seeds	do	Do.
	<i>Cocos weddelliana</i>	Trinidad, B. W. I. .	Do.
	do	do	Do.
	<i>Cattleya</i> sp	Colombia	H. F. Dietz.
NEW YORK.			
Insects: <i>Aporia crataegi</i> (white tree Pierid) (134 nests). <i>Aporia crataegi</i> (white tree Pierid) (57 nests). Do..... Do..... <i>Euproctis chrysorrhoea</i> (brown-tail moth) (larvae). <i>Euproctis chrysorrhoea</i> (brown-tail moth) (nests). Do..... <i>Lepidosaphes ulmi</i> (oyster-shell scale). <i>Malacosoma neustria</i> (European lackey moth) (egg masses). Do..... <i>Notolophus antiqua</i> (European tussock moth) (egg mass). <i>Porthetria dispar</i> (gipsy moth) (egg mass). Disease: <i>Bacterium tumefaciens</i> (hairy root) ..	Apple	France	Rupert and Maney
	Plum	do	Do.
	?	do	P. M. Eastman.
	?	do	J. A. Thomson.
	<i>Crataegus</i>	do	Sam Thomson.
	Apple stock	do	J. A. Thomson.
	Tree rose	do	Do.
	<i>Malus</i>	Holland	P. M. Eastman.
	Mahaleb stock	France	Do.
	Norway maple	Holland	Do.
	Apple	France	T. J. Rupert.
	Quince seedling	do	J. A. Maney.
	Apple	do	T. J. Rupert.
PENNSYLVANIA.			
Insects: <i>Agrotis orgona</i> (Noctuidae)..... <i>Chionaspis</i> sp. (scale insect)..... <i>Diaspis boisduvalii</i> (scale insect)..... Do..... <i>Eucalymnatus tessellatus</i> (tessellated scale). <i>Lepidosaphes beckii</i> (purple scale)..... <i>Lepidosaphes ulmi</i> (oyster-shell scale).	In soil about roots of roses ..	Holland	J. K. Primm.
	Lilac	do	F. L. Holdridge.
	<i>Cattleya</i>	England	F. M. Trimble.
	<i>Cymbidium</i>	do	Do.
	do	do	Do.
	do	do	Do.
	Boxwood	Holland	F. L. Holdridge.

LIST OF CURRENT QUARANTINE AND OTHER RESTRICTIVE ORDERS.

QUARANTINE ORDERS.

The numbers assigned to these quarantines indicate merely the chronological order of issuance of both domestic and foreign quarantines in one numerical series. The quarantine numbers missing in this list are quarantines which have either been superseded or revoked. For convenience of reference these quarantines are here classified as domestic and foreign.

DOMESTIC QUARANTINES.

Date palms.—Quarantine No. 6: Regulates the interstate movement of date palms or date-palm offshoots from Riverside County, Cal., east of the San Bernardino meridian; Imperial County, Cal.; Yuma, Maricopa, and Pinal Counties, Ariz.; and Webb County, Tex., on account of the Parlatoria scale (*Parlatoria blanchardi*) and the Phoenicococcus scale (*Phoenicococcus marlatti*).

Cotton seed and cottonseed hulls.—Quarantine No. 9: Prohibits the importation of cotton seed and cottonseed hulls from the Territory of Hawaii on account of the pink bollworm.

Hawaiian fruits.—Quarantine No. 13: Prohibits or regulates the importation from Hawaii of all fruits and vegetables, in the natural or raw state, on account of the Mediterranean fruit fly and the melon fly.

Sugar cane.—Quarantine No. 16: Prohibits the importation from Hawaii and Porto Rico of living canes of sugar cane or cuttings or parts thereof, on account of certain injurious insects and fungus diseases.

Cotton.—Quarantine No. 23, revised: Regulates the movement of cotton from Hawaii to the continental United States, on account of the pink bollworm.

Five-leaved pines, Ribes, and Grossularia.—Quarantine No. 26: Prohibits the interstate movement of five-leaved pines, currant and gooseberry plants from all States east of and including the States of Minnesota, Iowa, Missouri, Arkansas, and Louisiana to points outside of this area; prohibits, further, the interstate movement of five-leaved pines and black currant plants to points outside the areas comprising the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, and New York.

Sweet potato and yam.—Quarantine No. 30: Prohibits the movement from the Territories of Hawaii and Porto Rico into or through any other Territory, State, or District of the United States of all varieties of sweet potatoes and yams (*Ipomoea batatas* and *Dioscorea* spp.), regardless of the use for which the same are intended, on account of the sweet potato weevil (*Cylas formicarius*) and the sweet potato scarabee (*Euscepes batatae*).

Banana plants.—Quarantine No. 32: Prohibits the movement from the Territories of Hawaii and Porto Rico into or through any other Territory, State, or District of the United States of all species and varieties of banana plants (*Musa* spp.), regardless of the use for which the same are intended, on account of two injurious weevils, namely, *Rhabdocnemis obscurus* and *Metamasius hemipterus*.

Gipsy moth and brown-tail moth.—Quarantine No. 33: Regulates the movement interstate to any point outside of the quarantined towns and territory, or from points in the generally infested area to points in the lightly infested area, of stone or quarry products and of the plants and the plant products listed therein. This quarantine covers portions of the New England States.

Japanese Beetle.—Quarantine No. 35: Regulates the interstate movement of green corn commonly called sweet corn to any point outside of the quarantined area which includes the townships of Delran, Chester, and Cinnamunson, county of Burlington, N. J., on account of the Japanese Beetle (*Popillia japonica*).

European corn borer.—Quarantine No. 36: Prohibits the interstate movement of corn fodder or corn stalks, whether used for packing or otherwise, green sweet corn, roasting ears, corn on the cob or corn cobs, to points outside the quarantine area which includes the territories comprising the townships of Beverly, Danvers, North Reading, Reading, Lynnfield, Peabody, Salem, Marblehead, Swampscott, Lynn, Saugus, Wakefield, Woburn, Stoneham, Melrose, Winchester, Medford, Malden, Everett, Revere, Winthrop, Nahant, Lexington, Arlington, Somerville, Cambridge, Belmont, Waltham, Watertown, Newton, Brookline, and Boston, in the counties of Essex, Middlesex, Suffolk, and Norfolk, in the State of Massachusetts, on account of the European corn borer (*Pyrausta nubilalis*).

FOREIGN QUARANTINES.

Irish potato.—Quarantine No. 3: Prohibits the importation of the common or Irish potato from Newfoundland; the islands of St. Pierre and Miquelon; Great Britain, including England, Scotland, Wales, and Ireland; Germany; and Austria-Hungary on account of the disease known as potato wart.

Mexican fruits.—Quarantine No. 5, as amended: Prohibits the importation of oranges, sweet limes, grapefruit, mangoes, achras sapotes, peaches, guavas, and plums from the Republic of Mexico, on account of the Mexican fruit fly.

Five-leafed pines, Ribes and Grossularia.—Quarantine No. 7, as amended: Prohibits the importation from each and every country of Europe and Asia and from the Dominion of Canada and Newfoundland of all five-leafed pines and all species and varieties of the genera *Ribes* and *Grossularia*, on account of the white-pine blister rust.

Cotton seed and cottonseed hulls.—Quarantine No. 8, as amended: Prohibits the importation from any foreign locality and country, excepting only the locality of the Imperial Valley, in the State of Lower California, Mexico, of cotton seed (including seed cotton) of all species and varieties and cottonseed hulls, on account of the pink bollworm. Cotton and cotton seed from the Imperial Valley may be entered under permit and regulation.

Seeds of avocado or alligator pear.—Quarantine No. 12: Prohibits the importation from Mexico and the countries of Central America of the seeds of the avocado or alligator pear, on account of the avocado weevil.

Sugar cane.—Quarantine No. 15: Prohibits the importation from all foreign countries of living canes of sugar cane or cuttings or parts thereof, on account of certain injurious insects and fungus diseases. There are no restrictions on the entry of such materials into Hawaii and Porto Rico.

Citrus nursery stock.—Quarantine No. 19: Prohibits the importation from all foreign localities and countries of all citrus nursery stock, including buds, scions, and seeds, on account of the citrus canker and other dangerous citrus diseases. The term "citrus" as used in this quarantine includes all plants belonging to the subfamily or tribe *Citrateæ*.

European pines.—Quarantine No. 20: Prohibits, on account of the European pine-shoot moth (*Evetria buoliana*), the importation from all European countries and localities of all pines not already excluded by quarantine No. 7.

Indian corn or maize and related plants.—Quarantine No. 24, as amended: Prohibits the importation from south-eastern Asia (including India, Siam, Indo-China, and China), Malayan Archipelago, Australia, New Zealand, Oceania, Philippine Islands, Formosa, Japan, and adjacent islands, in the raw or unmanufactured state, of seed and all other portions of Indian corn or maize (*Zea mays* L.), and the closely related plants, including all species of Teosinte (*Euchlaena*), Job's tears (*Coix*), *Polytoca*, *Chionachne*, and *Sclerachne*, on account of the downy mildews and *Physoderma* diseases of Indian corn, except that Indian corn or maize may be imported on compliance with the conditions prescribed in the regulations of the Secretary of Agriculture.

Citrus fruit.—Quarantine No. 28: Prohibits the importation from eastern and southeastern Asia (including India, Siam, Indo-China, and China), the Malayan Archipelago, the Philippine Islands, Oceania (except Australia, Tasmania, and New Zealand), Japan (including Formosa and other islands adjacent to Japan), and the Union of South Africa, of all species and varieties of citrus fruits, on account of citrus canker, except that oranges of the mandarin class (including satsuma and tangerine varieties) may be imported on compliance with the conditions prescribed in the regulations of the Secretary of Agriculture.

Sweet potato and yam.—Quarantine No. 29: Prohibits the importation for any purpose of any variety of sweet potatoes or yams (*Ipomoea batatas* and *Dioscorea* spp.) from all foreign countries and localities, on account of the sweet potato weevils (*Cylas* spp.) and the sweet potato scarabee (*Euscepes batatae*).

Banana plants.—Quarantine No. 31: Prohibits the importation, for any purpose, of any species or variety of banana plants (*Musa* spp.) from all foreign countries and localities on account of the banana root borer (*Cosmopolites sordidus*).

Bamboo seeds, plants, and cuttings.—Quarantine No. 34: Prohibits the importation for any purpose of any variety of bamboo seeds, plants, or cuttings, including all genera and species of the tribe *Bambuseae*, from all foreign countries and localities, on account of dangerous plant disease, including the bamboo smut (*Ustilago shiraiana*).

OTHER RESTRICTIVE ORDERS.

The regulation of the entry of nursery stock from foreign countries into the United States was specifically provided for in the plant-quarantine act. The act further provides for the similar regulation of any other class of plants or plant product when the need therefor shall be determined. The entry of the plants and plant products listed below has been brought under such regulation:

Nursery stock.—Nursery stock is entered under regulations requiring a permit, foreign certification and marking, reporting arrival and distribution, and inspection at destination. The term "nursery stock" includes all field-grown florists' stock, trees, shrubs, vines, cuttings, grafts, scions, buds, fruit pits and other seeds of fruits and ornamental trees or shrubs, and other plants and plant products for propagation, except field, vegetable, and flower seeds, bedding plants, and other herbaceous plants, bulbs, and roots.

Irish potatoes.—The importation of Irish potatoes is prohibited altogether from the countries enumerated in the potato quarantine. Potatoes may be admitted from other foreign countries in accordance with the order of December 22, 1913, bringing the entry of potatoes under restriction on account of injurious potato diseases and insect pests. The following countries have qualified for the importation of potatoes under the regulations issued under said order: Denmark, Holland, Belgium, Cuba, Bermuda, and the Dominion of Canada. The regulations issued under this order have been amended so as to permit, free of any restrictions whatsoever under the plant-quarantine act, the importation of potatoes from any foreign country into the Territories of Porto Rico and Hawaii for local use only and from the Dominion of Canada and Bermuda into the United States or any of its Territories or districts.

Avocado, or alligator pear.—The order of February 27, 1914, prohibits the importation from Mexico and the countries of Central America of the fruits of the avocado, or alligator pear, except under permit and in accordance with the other provisions of the regulations issued under said order, on account of the avocado weevil. Entry is permitted only through the port of New York and is limited to the large, thick-skinned variety of the avocado. The importation of the small, purple, thin-skinned variety of the fruit of the avocado and of avocado nursery stock under 18 months of age is prohibited.

Cotton.—The order of April 27, 1915, prohibits the importation of cotton from all foreign countries and localities, except under permit and in accordance with the other provisions of the regulations issued under said order, on account of injurious insects, including the pink bollworm. These regulations apply in part to cotton grown in and imported from the Imperial Valley, in the State of Lower California, in Mexico.

Corn.—The order of March 1, 1917 (Amendment No. 1, with Regulations, to Notice of Quarantine No. 24), prohibits the importation of Indian corn or maize in the raw or unmanufactured state from the countries and localities listed in the Notice of Quarantine No. 24, except under permit and in accordance with the other provisions of the regulations issued under said order, on account of injurious diseases of Indian corn.

Cottonseed products.—The order of June 23, 1917, prohibits the importation of cottonseed cake, meal, and all other cottonseed products, except oil, from all foreign countries, and a second order of June 23, 1917, prohibits the importation of cottonseed oil from Mexico, except under permit and in accordance with the other provisions of the regulations issued under said orders, on account of injurious insects, including the pink bollworm.

Citrus fruits.—The order of June 27, 1917 (Notice of Quarantine No. 28, with Regulations), prohibits the importation from the countries and localities listed therein of all species and varieties of citrus fruits, excepting only oranges of the mandarin class (including satsuma and tangerine varieties), on account of the citrus canker disease. Oranges of the mandarin class (including satsuma and tangerine varieties) may be imported under permit and in accordance with the other provisions of the regulations issued under said order.